

SEQUENCE LISTING

<110> Shultz, John W
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<120> EXOGENOUS NUCLEIC ACID DETECTION

<130> EXOGENOUS NUCLEIC ACID DETECTION

<140> NOT YET ASSIGNED

<141> 1999-09-27

<150> 09/252,436

<151> 1999-02-18

<150> 09/042,287

<151> 1998-03-13

<160> 92

<170> PatentIn Ver. 2.0

<210> 1

<211> 74

<212> DNA

<213> Cytomegalovirus

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cgtctgttgg agct 74

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<213> Cytomegalovirus

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ggtagaagcg agct 74

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<211> 74

<212> DNA

<213> mutant Cytomegalovirus

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cgtctgttgg agct 74

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ggtagaagcg agct 74

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tgacgtattc gtgcagcatg g 21

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21

<210> 9

<211> 70

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<213> Listeria

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gaagtaaaac aaactacaca agcaactaca cctgcgccta aagtagcaga aacgaaagaa 60

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70

<210> 10

<211> 70

<212> DNA

<213> Listeria

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gttttacttc

70

<210> 11

<211> 30

<212> DNA

<213> Listeria

<400> 11

gcaactacac ctgcgcctaa agtagcagaa

30

<210> 12

<211> 30

<212> DNA

<213> Listeria

<400> 12

ttctgctact ttaggcgcag gtgtagttcg 30

<210> 13

<211> 70

<212> DNA

<213> Listeria

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agaaacacca 70

<210> 14

<211> 70

<212> DNA

<213> Listeria

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<210> 15

<211> 30

<212> DNA

<213> Listeria

<400> 15

ctcggagact tacgagatat ttTgaaaaaa 30

<210> 16

<211> 30

<212> DNA

<213> Listeria

<400> 16

ttttttcaaa atatctcgta agtctccgag

30

<210> 17

<211> 60

<212> DNA

<213> Salmonella

<400> 17

tttaattccg gagcctgtgt aatgaaagaa atcacctga ctgaacctgc ctttgtcacc 60

<210> 18

<211> 60

<212> DNA

<213> Salmonella

<400> 18

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<210> 19

<211> 30

<212> DNA

<213> Salmonella

<400> 19

tgtgtaatga aagaaatcac cgtcactgaa

30

<210> 20

<211> 30

<212> DNA

<213> Salmonella

<400> 20

ttcagtgcgcg gtgatttctt tcattacaca

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<210> 21

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<212> DNA

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<400> 21

gcaacgctac ctttgccatg tttc

24

<210> 22

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: PROBE FOR
KANAMYCIN RNA, ALTERED AT 3' TERMINUS

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gcaacgctac ctttgccatg tttg

24

<210> 23

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: PROBE TO
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<400> 23

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24

<210> 24

<211> 24

<212> DNA

<213> Artificial Sequence

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KANAMYCIN RNA, ALTERED AT 3' TERMINUS

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24

<210> 25

<211> 30

<212> DNA

<213> rabbit

<400> 25

atggtgcatc tgtccagtga ggagaagtct

30

<210> 26

<211> 30

<212> DNA

<213> rabbit

<400> 26

agacttctcc tcaactggaca gatgcaccat

30

<210> 27

<211> 26

<212> DNA

<213> rabbit

<400> 27

gctgctgggt gtctacccat ggaccc

26

<210> 28

<211> 26

<212> DNA

<213> rabbit

<400> 28

gggtccatgg gtagacaacc agcagc

26

<210> 29

<211> 30

<212> DNA

<213> Escherichia coli

<400> 29

cagtcacgac gttgtaaaac gacggccagt

30

<210> 30

<211> 30

<212> DNA

<213> Escherichia coli

<400> 30

actggcgcgtc gttttacaac gtcgtgactg

30

<210> 31

<211> 75

<212> DNA

<213> Campylobacter jejuni

<400> 31

cttgaagcat agttcttggt tttaaacttt gtccatcttg agccgcttga gttgagttgc 60

cttagtttta atagt

75

<210> 32

<211> 30

<212> DNA

<213> Campylobacter jejuni

<400> 32

agttcttggt tttaaacttt gtccatcttg

30

<210> 33

<211> 70

<212> DNA

<213> Campylobacter jejuni

<400> 33

actattaaaa ctaaggcaac tcaagcggct caagatggac aaagtttaaa aacaagaact 60

atgcttcaag

70

<210> 34

<211> 30

<212> DNA

<213> Campylobacter jejuni

<400> 34

caagatggac aaagtttaaa aacaagaact 30

<210> 35

<211> 21

<212> DNA

<213> Cytomegalovirus

<400> 35

cactttgata ttacacccat g 21

<210> 36

<211> 21

<212> DNA

<213> Cytomegalovirus

<400> 36

cactttgata ttacaccctg g 21

<210> 37

<211> 65

<212> DNA

<213> Cytomegalovirus

<400> 37

cgtgtatgcc actttgatat tacacccatg aacgtgtca tcgacgtgaa cccgcacaac 60
gagct 65

<210> 38

<211> 65

<212> DNA

<213> Cytomegalovirus

<400> 38

cgttgtgcgg gttcacgtcg atgagcacgt tcatgggtgt aatatcaaag tggcatacac 60
gagct 65

<210> 39

<211> 65

<212> DNA

<213> Cytomegalovirus

<400> 39

cgtgtatgcc actttgatat tacaccgtg aacgtgctca tcgacgtgaa cccgcacaac 60
gagct 65

<210> 40

<211> 65

<212> DNA

<213> Cytomegalovirus

<400> 40

cgttgtgcgg gttcacgtcg atgagcacgt tcacgggtgt aatatcaaag tggcatacac 60
gagct 65

<210> 41

<211> 26

<212> DNA

<213> Cytomegalovirus

<400> 41

tcacacagga aacagctatg accatg 26

<210> 42

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: M13 FORWARD
PROBE

<400> 42

gcaaggcgat taagttgggt aacg

24

<210> 43

<211> 40

<212> DNA

<213> Hepatitis C virus

<400> 43

ctgctagccg agtagtggtg ggtagcgaaa ggccttgtgg

40

<210> 44

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: 35S PROMOTER
PCR PRIMER

<400> 44

gatagtggga ttgtgcgtca

20

<210> 45

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: 35S PROMOTER

PCR PRIMER

<400> 45

gctcctacaa atgccatca

19

<210> 46

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: NOS TERMINATOR

<400> 46

ttatcctagt ttgcgcgcta

20

<210> 47

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: NOS TERMINATOR

PCR PRIMER

<400> 47

gaatcctgct gccggtcttg

20

<210> 48

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: 35S PROBE

<400> 48

gcaagtggat tgatg

15

<210> 49

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: 35S PROBE

<400> 49

ccaaccacgt cttcaaa

17

<210> 50

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: NOS PROBE

<400> 50

tttatgagat gggttt

16

<210> 51

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: NOS probe

<400> 51

atgattagag tcccc

15

<210> 52

<211> 16

<212> DNA

<213> Human immunodeficiency virus

<400> 52

ccatttagta ctgtct

16

<210> 53

<211> 16

<212> DNA

<213> Human immunodeficiency virus

<400> 53

ccatttagta ctgttt

16

<210> 54

<211> 16

<212> DNA

<213> Human immunodeficiency virus

<400> 54

ctagttttct ccattt

16

<210> 55

<211> 16

<212> DNA

<213> Human immunodeficiency virus

<400> 55

ctagttttct ccatct

16

<210> 56

<211> 16

<212> DNA

<213> Human immunodeficiency virus

<400> 56

ttctctgaaa tctact

16

<210> 57

<211> 16

<212> DNA

<213> Human immunodeficiency virus

<400> 57

ttctctgaaa tctatt

16

<210> 58

<211> 50

<212> DNA

<213> Human immunodeficiency virus

<400> 58

aaaaaagaca gtactaaatg gagaaaacta gtagatttca gagaacttaa 50

<210> 59

<211> 50

<212> DNA

<213> Human immunodeficiency virus

<400> 59

aaaaaaaaca gtactaaatg gagaaaacta gtagatttca gagaacttaa 50

<210> 60

<211> 50

<212> DNA

<213> Human immunodeficiency virus

<400> 60

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<210> 61

<211> 50

<212> DNA

<213> Human immunodeficiency virus

<400> 61

aaaaaagaca gtactaaatg gagaaaacta atagatttca gagaacttaa 50

<210> 62

<211> 11

<212> DNA

<213> Human immunodeficiency virus

<400> 62

agtgactggg g

11

<210> 63

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: probe which
forms hairpin when allowed to self-anneal

<400> 63

atgaacgtac gtcggatgag cacgttcat

29

<210> 64

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: probe which
forms hairpin when allowed to self-anneal

<400> 64

gtgaacgtac gtcggatgag cacgttcat

29

<210> 65

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: probe which
forms hairpin when allowed to self-anneal

<400> 65

ataaacgtac gtcggatgag cacgttcat

29

<210> 66

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: probe which
forms hairpin when allowed to self-anneal

<400> 66

ataaacgtac gtcggatgag cacg

24

<210> 67

<211> 62

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
target sequence

<400> 67

cccggagaga cctccttaag gggccatatt atttcgtcga ttccagtgtt ggccaaacgg 60
at 62

<210> 68

<211> 41

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic
target sequence

<400> 68

ggggccatat tatttcgccg tttggccaac actggaatcg a 41

<210> 69

<211> 77

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic
target sequence

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ggggccatat tatttcgccg tttggccaac actggaatcg acgaaataat atggcccctt 60
aaggaggtct ctccggg 77

<210> 70

<211> 16

<212> DNA

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<223> Description of Artificial Sequence: synthetic
target sequence

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cccggagaga cctcct

16

<210> 71

<211> 77

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
target sequence

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cgaaataata tggcccc

77

<210> 72

<211> 65

<212> DNA

<213> Cytomegalovirus

<400> 72

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gagct

65

<210> 73

<211> 65

<212> DNA

<213> Cytomegalovirus

<400> 73

cgttgtgcgg gttcacgtcg atgagcacgt tcatgggtgt aatatcaaag tggcatacac 60
gagct 65

<210> 74

<211> 65

<212> DNA

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cgtgtatgcc actttgatat tacacccgtg aacgtgctca tcgacgtcaa cccgcacaac 60
gagct 65

<210> 75

<211> 65

<212> DNA

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<400> 75

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gagct 65

<210> 76

<211> 89

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: probe to
wild-type targets 10870 and 10994

<400> 76

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tcactatagg gctcagtggtg attccacct 89

<210> 77

<211> 53

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: wild-type
target

<400> 77

ttgcagagaa agacaatata gttcttggag aaggtggaat cacactgagt gga 53

<210> 78

<211> 53

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: mutant target

<400> 78

ttgcagagaa agacaatata gttctttgag aaggtggaat cacactgagt gga 53

<210> 79

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: probe which
hybridizes to only to wild-type target

<400> 79

ctcagtgtga ttccacttca cc

22

<210> 80

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: probe which
hybridizes only to mutant target

<400> 80

ctcagtgtga ttccaccttc aca

23

<210> 81

<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: probe which
hybridizes to 10870 and 10994

<400> 81

ctaaagctga gacatgacga gtc

23

<210> 82

<211> 65

<212> DNA

<213> Cytomegalovirus

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cgttgtgctgg gttcacgtcg atgagcacgt tcatgggtgt aatatcaaag tggcatacac 60
gagct 65

<210> 83

<211> 65

<212> DNA

<213> Cytomegalovirus

<400> 83

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gagct 65

<210> 84

<211> 65

<212> DNA

<213> Cytomegalovirus

<400> 84

cgttgtgctgg gttcacgtcg atgagcacgt tcacgggtgt aatatcaaag tggcatacac 60
gagct 65

<210> 85

<211> 24

<212> DNA

<213> kanamycin

<400> 85

gcaacgctac ctttgccatg tttc

24

<210> 86

<211> 12

<212> DNA

<213> Homo sapiens

<400> 86

ccagacgcct ca

12

<210> 87

<211> 12

<212> DNA

<213> Homo sapiens

<400> 87

accttcacgc ca

12

<210> 88

<211> 11

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism:common probe to
cytochrome B

<400> 88

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11

<210> 89

<211> 12

<212> DNA

<213> chicken

<400> 89

gcagacacat cc

12

<210> 90

<211> 12

<212> DNA

<213> chicken

<400> 90

ggaatctcca cg

12

<210> 91

<211> 12

<212> DNA

<213> Bos sp.

<400> 91

acatacacgc aa

12

<210> 92

<211> 12

<212> DNA

<213> Canis sp.

<400> 92

atatgcacgc aa

12

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Shultz et al.)	
)	Attorney Docket:
Serial No.:	Not Yet Assigned)	PRO-105.0 DIV I
	Div of 09/406,147)	6868/81579
)	
Filed:	February 9, 2001)	
)	Art Group:
For:	EXOGENOUS NUCLEIC)	Not yet assigned
	ACID DETECTION)	
)	
Examiner:	Not Yet Assigned)	

STATEMENT UNDER 37 C.F.R. 1.821(e) and (f)

Commissioner for Patents
Washington, D.C. 20231
Attn: Box Sequence

Sir:


The present application is a division of allowed U.S. Patent Application Serial No. 09/406,167, filed September 27, 1999. The Sequence Listing filed herewith is a true copy of the Sequence Listing previously filed for Application Serial No. 09/406,167, and thus the Sequence Listings are identical.

Pursuant to 37 C.F.R. 1.821(e), a computer readable form (CRF) of the Sequence Listing for the subject new divisional patent application may be provided through reference to the CRF filed in the previous case, allowed

U.S. Patent Application Serial No. 09/406,167, filed
September 27, 1999.

The Sequence Listing on the previously-filed CRF
is ASCII output from PatentIn version 2.0, created 9/27/99
in PatentIn v. 2.0 on a Windows 95/PC compatible computer.
The Sequence Listing file "PRO105.app" was copied onto that
diskette 9/27/99. The content of the paper copy of the
Sequence Listing enclosed herewith is the same as the
content of the previously filed computer readable form of
the Sequence Listing.

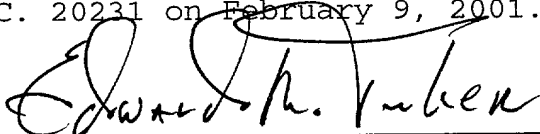
Respectfully submitted,


Shannon L. Nebolsky, Reg. No. 41,217

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CERTIFICATE OF EXPRESS MAILING

I hereby certify that this Statement under 37 C.F.R.
1.821(e) together with the Preliminary Amendment and its
stated enclosures is being deposited with the United States
Postal Service with Express Mailing Label No. EL769849422US
in an envelope addressed to: Commissioner for Patents,
Washington D.C. 20231 on February 9, 2001.


Edward H. Tinker